



PLEXIGLAS®  
Film

## PLEXIGLAS® Film OF011

### Product

PLEXIGLAS® Film OF011 is a transparent, glossy and high weather resistant acrylic film for outdoor applications.

Due to its superior performance under long term weathering and UV light exposure, PLEXIGLAS® Film OF011 does not present color change or yellowing.

Therefore it provides an enhanced protection of plastic substrates from degradation caused by UV wave lengths.

### Application

PLEXIGLAS® Film OF011 is suitable as top layer for high UV and weathering protection of polymeric substrates, especially for PVC decoration films.

### Processing

PLEXIGLAS® Film OF011 can be laminated onto polymeric substrates such as films or extruded sheets based on PVC, ABS, ASA and PC by in-line or roll-to-roll heat lamination processes.

PLEXIGLAS® Film OF011 can also be embossed with different structures on its surface.

PLEXIGLAS® Film OF011 displays a very good printing behavior in a wide variety of printing processes.

### Sales range

PLEXIGLAS® Film OF011 is delivered in standard rolls of 53 µm thickness, 1380 mm width, and 3050 m length.

Custom-made rolls can be produced under prior commercial agreement.



Technical data			
Properties	Test method	Unit	Value
<b>Optical</b>			
Luminous transmittance (D65/10°)	DIN EN ISO 11664	%	92
UV transmittance (280 – 380 nm)	DIN EN 410	%	< 1
Refractive Index	DIN EN ISO 489	%	1.49
<b>Mechanical</b>			
Tensile yield stress ( $\sigma_y$ )	DIN EN ISO 527-3	MPa	35
Yield strain ( $\epsilon_y$ )	DIN EN ISO 527-3	%	6
Nominal strain at break ( $\epsilon_{IB}$ )	DIN EN ISO 527-3	%	> 50
<b>Thermal</b>			
Glass transition temperature $T_g$ (DSC)	DIN EN ISO 11357	° C	94
<b>Miscellaneous</b>			
Accelerated weathering resistance	DIN EN ISO 4892-2, method A, cycle 1	h	12000 No visible change
Density	DIN EN ISO 1183	g/cm <sup>3</sup>	1.13
Surface tension	DIN ISO 8296	mN/m	42

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® = registered trademark

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